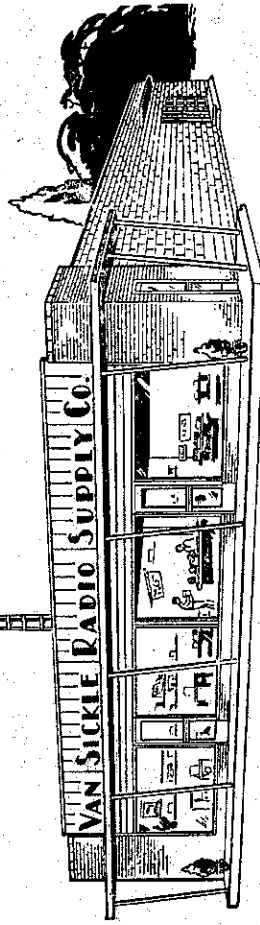


Gene

Van Sickle,

W9KJF

Features Ham gear in
new Finest Electronic
Supermarket with per-
sonal service.



PROMPT PERSONAL SERVICE * LIBERAL TRADES * EASY TERMS

IN STOCK

*EICO *Hammarlund *Drake *S B E *Gon-Set
*Hallicrafter *National *Clegg *Hy-Gain *Mosely
*And Other Popular Brands of HAM GEAR

One-Acre Parking Lot

4131 N. Keystone Ave.

On North East Side of Indianapolis

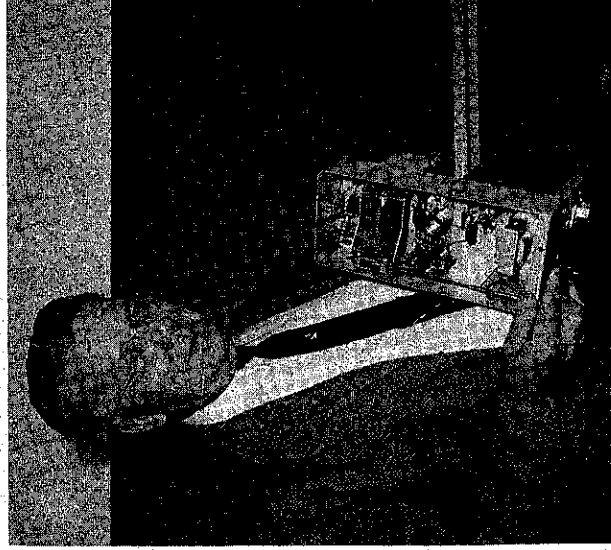
OPEN DAILY 9:00 to 6:00
INCLUDING SATURDAY

"We Are Equipped To Service Everything We Sell"

K9HNV Port Republic

ama chews

PUBLISHED FOR
INDIANAPOLIS RADIO CLUB, INC.
FOUNDED 1914

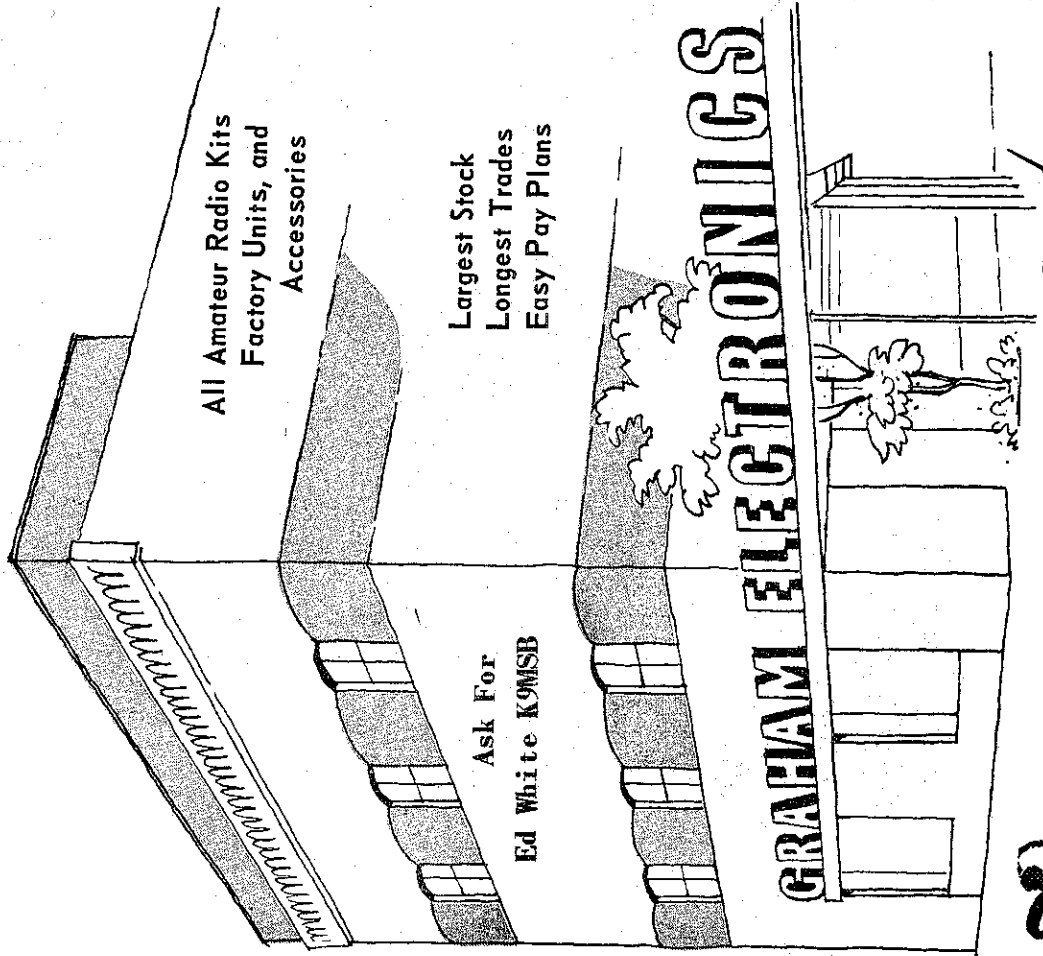


Wm. F. Lueth WQDSC showing his HOMEREW prize entry
consisting of a converted BC696. Used as an exciter
for 15-20-40-80 cw. Runs at 180 v at 50 mls to drive
an 813 in closet.
photo by K9VIE

SEPTEMBER 1967

Your one stop

HAM HEADQUARTERS



GRAHAM *Electronics*
SUPPLY, INC.
 INDIANAPOLIS INDIANA

DOWNTOWN
 122 S. Senate Avenue
 634 8486

GLENDALE
 GLENDALE SHOPPING CENTER
 62nd and Keystone
 253 4261

FREE LISTING OF USED HAM EQUIPMENT ON REQUEST

The INDIANAPOLIS RADIO CLUB, Inc meets on the SECOND and FOURTH FRIDAYS of each month except July and August at The PARK BOARD BUILDING, 29th and HARDING STREET at 800 P.M.

1967 OFFICERS

President:	Gerald Lucas	W9APJ	291 0372
Vice-Pres:	M. B. (Pat) Flanigan	WA9PLG	291 5196
Secretary:	Earl C. Terrill	WA9JQH	846-7931 255-7834
Treasurer:	Alvin J. Minnick	K9SUW	255 8953
Chief-Op:	William F. Lueth	W9DSC	356 7168
Director:	James Sugioka	W9CKB	356 2839
Director:	Robert K. Caskey	W9DNQ	546 3089
Editor ?	Richard M. Kimmett	K9VIE	898 4539
	3716 Chateau Court		
	Indianapolis, IN 46226		

Ama-Chewer is published monthly for the INDIANAPOLIS RADIO CLUB, Inc., and all amateurs in the Indianapolis area. Non-members may subscribe for \$1.50 a year.

Ama-Chewer welcomes the forwarding of information on the coming events and activities of other clubs for publication. Send direct to Editor.

Publication is on the THIRD Friday of each month with all news items and ads due no later than the FIRST Friday.

Exchange program free with other Amateur Radio Clubs. Contents may be copied if proper credit is given.

PRESIDENT'S FREQUENCY

Once again, I find myself in the unenviable position of President of the club due to the resignation of Ward Studor WA9CCX. I confess I am at a loss to know how to increase interest in the club and its activities. In questioning members and ex-members as to why the lack of response, I have had several different answers. One is that the club is run by a clique. It is! The club is run by a very small group willing to show up and work when necessary. How I would like to see that group enlarged to include every club member. The only thing necessary to be included in that clique, or to overthrow the clique and run the club to suit yourself, is to volunteer for a job. I can assure you that the clique will welcome you with open arms. We may be a clique, but we are not a clannish clique. One other answer to my questioning is that the meeting rooms are not suitable. Once again if you feel that the meeting place is unsuitable, find us another place. We don't even ask that you find a place with lower rent, just no higher than the present rent. I have also heard that the programs are too elementary and too technical, I'll let you figure that one out by getting us a program. I have several open dates in the fall. So, watta you say...do you want to get busy and do your best to promote the club and amateur radio, or would you rather let some one else do it, and we can all get CB rigs and 10-4?

73,
WOARJ

*

The INDIANAPOLIS RADIO CLUB, Inc
wishes to express its deepest
sympathy to the family of

CHARL RYAN K9WST

His voice will be missed but never
forgotten by the Amateur Fraternity

PROGRAM PREVIEW

NOTICE: The INDIANAPOLIS RADIO CLUB, Inc., WILL AGAIN START HOLDING ITS MEETINGS AT THE PARK BOARD BUILDING 29th and HARDING STREETS on FRIDAY, 8 SEPTEMBER 1967. Meeting room will be in the Auditorium on the second floor. Use the SOUTH DOOR on the EAST SIDE of building.

PROGRAM

September 8; Bring the XYL and enjoy an evening with DON DAVIS W9JYP and his XYL touring Mexico. Don and Ruth spent several weeks last winter exploring the hinterlands of Mexico, and recorded the highlights with color camera.

September 22; Art Schultz W9NNX will explain "A New Way of Looking at Electrical Circuits." Art always has an interesting and informative program. You can depend on getting a fresh slant on things.

October 13; Al Strickland W9LKZ will give us a talk and possibly a demonstration on a HOMERREW RECEIVER which operates on all modes.

October 27; Alvey Pittman W9JJC will talk on his super-ultra high frequency receiver. Talk about DX, Alvey regularly receives emissions from millions of miles away on frequencies of a fraction of a millimeter.

November 10; to be announced (M. B. Flanigan WA9PLG Pat in charge.)

November 24; to be announced

December 8; Annual Meeting, election of Officers.

December 22; Christmas Party?

NOTICE: The INDIANAPOLIS RADIO CLUB, Inc., WILL AGAIN START HOLDING ITS MEETINGS AT THE PARK BOARD BUILDING 29th and HARDING STREETS on FRIDAY, 8 SEPTEMBER 1967. Meeting room will be in the Auditorium on the second floor. Use the SOUTH DOOR on the EAST SIDE of building.

On May 31st, we were honored with a visit by Perry Williams WIUED, the assistant secretary of the League. Perry was guest speaker at a special meeting of the club held that night.

PROGRAM REVIEW

April 28th - Hank Wolfia K9LZJ, told the club about the new Red Cross antenna, and illustrated his talk with a number of excellent photos taken by Max Galloway K9OXA showing the tower in various stages during it's erection. Hank said that the tower is 150 ft. tall and weighs 8,000 pounds, with the first 28 foot section accounting for half the total weight. The un-guyed tubular mast supports a CB ant., a 42 MHz, a 6 FM, a 6 AM, a 2 AM, and a Telrex tri-band antenna. All the coax was tested at the frequency at which it would be used prior to installation, and the tower was lifted into place as a unit with everything in place. Quite a job and kinda makes your mouth water.

May 12th - HOMEBREW night consisted of four entries, two of them from one entrant. Sure shows what a live wire bunch of guys in a real active club can do. Come on now you guys, I know dag'one well that you have built more than this in the past year, why don't you get off the stick and participate in a few of the club activities? Dick Kimmett K9VIE described his new burglar alarm for mobile rigs, and a six meter station power supply; Bill Lueth W9DSC exhibited an 80-10 exciter unit built from a command set; and Jerry Lucas W9APJ had a regulated power supply for transistor gear. The judges were Jim Sugioka W9CKB, Louis Linthecombe K9EAT, and Johnny Jones W9FZW and they awarded Bill a cigar for first prize. Bill doesn't smoke, you may be able to talk him out of it at the next meeting.

May 26th - Bert Brouse K9JSF was host for the meeting held at the new color studios of WFBM-TV. Bert showed the crowd into every nook and cranny of the station, and answered all the questions except how to get into the studios on race day to view the race. After the tour, Bert presented each person present with a copy of "From Crystal to Color" the excellently written book on the history of WFBM. Sure makes you feel old to realize that you know half of the people mentioned in the first ten of fifteen pages.

In his remarks, Perry compared the League to an insurance company which insures against risks as does any insurance company, but unlike most companies also tries to reduce those risks.

One of the most important risks, of course, is the possibility of the loss of amateur frequencies at the coming International Allocations Conference. Ten years ago there were 80 countries dividing up the spectrum, now there are 129, each striving for as much space as possible for fixed services, military use, and short wave broadcasting. Each of these countries with the exception of U.S.A., Great Britain, France, and U.S.S.R have one vote, therefore it is important to present the amateur to as many of the countries, in as favorable light as possible.

Contrary to some of the unfounded propaganda I have heard on the air and read in unreliable magazines, the League is doing something about it. ARRL has appropriated \$100,000 to be used as a fund to preserve the amateur frequencies.

Project DARE (Developing Amateur Radio Everywhere) is being created to present the amateur radio story to people all over the world who are in a position to influence their governments. Also college clubs are being asked to introduce foreign students to amateur radio, help is being offered to weak foreign societies to gain stature with their governments, the Boy Scouts are being assisted to spread the amateur story to interested foreign scouts, and training projects in the emerging nations are used to get people into amateur radio where electronic technicians are so badly needed. Most of you, I imagine have read the preliminary details of the Stanford Research Project which was commissioned by the League.

The League is also backing incentive licensing in an effort to show that the amateur is valuable for more than just communication, and is contributing to the OSCAR program to demonstrate this.

Perry said in likening the League to an insurance company, that in this case you as a policy holder could assist the company by utilizing only 10% of your operating time to teaching, writing, handling traffic, developing new skills and techniques, or recruiting new blood and proving that amateur radio is worth the extremely high cash value of the frequencies we occupy.

TWENTY YEARS AGO

by Bob W9DNQ

The Indianapolis Radio Club, through the efforts of Ray Forbes W9HNS, was able to take an inspection tour of the Indianapolis Power and Light's Perry K station. Here water treatment, generators and a view of an operating and a torn down boiler was seen. One boiler had been torn down to convert to the use of pulverized coal so one could see the multi-tubed construction of the boiler. A peep hole on the side of an operating boiler enabled the viewer to see the seething, white hot interior as the powdered coal literally exploded into a mass of hot gasses.

A club program by Don Brewer, who issued the original club news sheet, talked on air borne Magnetometers used to detect and plot minerals by a flying airplane containing the equipment over the terrian. Ted Hunter of Collins spoke to the club about "Design considerations for a Precision Master Oscillator". Master Psco, was the name for what we now call plainly "VFO". M.O.P.A. being Master Oscillator (VFO) and P.A. being the power amplifier following. Collins oscillators of that time was quite a stable affair.

The club moved its meeting place from Simmons Hall at 25 and Station Sts to the Northeast Community Center at 30th and LaSalle Sts. Here they were soon to get a station on the air again.

Joe Brand, a newcomer, held out a helping hand to more like himself by running a code practice school at his own home. About this time the club, in order to eliminate long business meetings, proposed that the board of directors be enlarged and that they then handle all the business. To try this experiment, three or four assistant directors were named to sit in on meetings and offer suggestions.

Don Davis W9JYP, had an offer of beer and eats for anyone helping to raise an antenna. (Beer to come AFTER the antenna was in place).

Wilbur Keaton W9AUN, the wag of 160 was quite active and was seen in town on occasions buying gear and visiting Don Davis W9JYP and Paul Nelson W9BHC. Bob Caskey W9DNQ was listed as having purchased a 522 to get on 2. (He never made it). Well driller, George Merritt who gave several talks on water witching was reported to have renewed his license and getting his hopes for some DX.....

Clearance Sale!

ALL USED AND DISCONTINUED MODEL HAM GEAR WILL BE REDUCED IN PRICE UNTIL SOLD.

CURRENT PRICE ON HEATH DX-100 \$49.

Van Sickle Radio Supply

WHERE HAM RADIO IS NOT A SIDE LINE.

4131 N. Keystone Ave

Ann Lucas Wn9UNP, the YL of Ken Lucas WA4WIN/9 of 665 E. 66th Street. Ann and Ken are both associated with the Indiana School for the Blind.

*

Increased activity on 6 PM should result from the acquisition by Ed Ward K9ORS of 20 RCA mobile units. Sorry but they are all spoken for. Might see Ed in case some one changes their mind.

*

Would you like a program on Amateur TV? If so, make your wants known and we will see what can be done along that line.

*

Ray Forbes W9HNS wants to know if anybody tries to work the noodle nudgers. Yes Ray, we generally receive one or two answers. Why don't more of you try them?

*

Alvey Pittman W9JJC is still on the trail of that elusive Extra Class ticket. Just remember that quitters never win and winners never quit, Alvey.....

FCC passes Docket 15928 (incentive licensing)

The proposed new First Class license concept is discarded. Instead, the Advanced Class license is re-established. Applicants must hold a General license or pass the written exam for General before passing a code test at 13 w.p.m. and a technical exam of a level midway between the present General and Extra exams. Example study material for the new 50-question technical exam will be available as soon after November 22, 1967, as possible, and FCC offices will commence holding examinations sometime after that date. Present holders of the Advanced Class will effectively be "grandfathered" into some special privileges as outlined below.

Effective Nov 22, 68, only holders of the Extra Class may operate in the sub-bands 3500-3525, 3800-3825, 7000-7025, 14000-14025, 21000-21025, and 21250-21275 kHz.

Effective Nov 22, 69, only the holders of the Extra Class may operate in 3500-3550, 7000-7050, 14000-14050, and 21000-21050 kHz.

Effective Nov 22, 68, only the holders of the Extra Class or the Advanced Class may operate in the sub-bands 3825-3850, 7200-7225, 14200-14235, 21275-21300 kHz, and 50.0-50.1 MHz.

Effective Nov 22, 69, only Extra or Advanced Classes may operate in 3825-3900, 7200-7250, 14200-14275, 21275-21350 kHz., and 50.0-50.250 MHz.

New Novice licensees, after Nov 22, 68, will have no phone privileges on 2 meters. The 2-year license term for Novices is adopted, effective Nov 22, 67.

The system of distinctive call signs with prefixes to identify the class of license is completely discarded. (The Callbook, incidentally, has plans to carry such identifications in its own listings.)

The Commission will issue 2-letter call signs to those applicants who are holders of an Extra Class license and who have been licensed for at least 25 years. There will be no individual choice of call signs, and the \$20 fee will be charged. First applications for the 2-letter call signs will be accepted November 22, 1967.

Any new applicant for Extra Class license must either hold an Advanced Class license or must pass the written examination for that license before taking the Extra Class examination. This procedure also becomes effective after November 22, 1967. See October QST for further details.

WELCOME TO THE 6TH ANNUAL
HOOSIER HILLS HAM CLUB HAMFEST
SPRING MILL STATE PARK
MITCHELL, INDIANA

OCTOBER 8TH, 1967

MAIN PRIZE - DRAKE TR-4 TRANSCEIVER

LADIES BINGO PLAYGROUND PRIZES
JR. OPS. HAYRIDE ADVANCE REGISTRATION PRIZE SWAPSHOPS
FREE COFFEE AND DONUTS TALK IN FREQ 3910 LSB & 50.4 AM

SSB DINNER 1900 EST SATURDAY NIGHT, OCTOBER 7TH, 1967
AT THE SPRING MILL INN - ENTERTAINMENT PROVIDED

HAMFEST SSB DINNER
ADVANCE REGISTRATION \$.50 RESERVATIONS \$3.00 EACH
AT THE PARK 1.00 (MAIL BEFORE OCTOBER 2,)

FOR HAMFEST ADVANCE REGISTRATION, SSB DINNER, HOTEL OR
MOTEL RESERVATIONS, DETACH COUPON BELOW (OR COPY IT) AND
MAIL TO: HOOSIER HILLS HAM CLUB, INC., P.O. BOX 375,
BEDFORD, INDIANA 47421

PLEASE MAKE ADVANCE HAMFEST REGISTRATIONS. (INCL. \$.
50¢ EACH AND NAMES AND/OR CALLS TO BE PUT ON STUBS)

PLEASE MAKE SSB DINNER RESERVATIONS. (INCL. \$3.00 EA.)

PLEASE MAKE HOTEL OR MOTEL RESERVATIONS FOR
PERSONS, WITH SINGLE DOUBLE OR TWIN BED ACCOM-
MODATIONS.

NAME AND CALL

ADDRESS

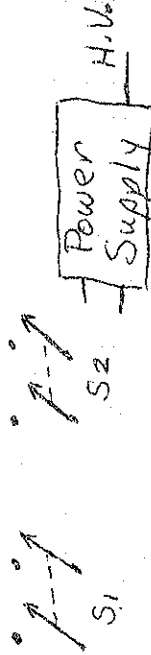
ZIP

NOODLE NUDGER

Herman Dilldock W9NUT has an amplifier in which the tube only lasts 15 seconds unless the cooling fan is turned on before power is applied to the tube. He has two D.P.S.T. switches available, can you devise a circuit for him so that no matter which switch he throws first, the blower is turned on first and off last?



110 V_{ac}



The newest edition of General Electric's popular "essential Characteristics" component reference manual is now available through GE distributors.

The twelfth edition of this electronic components publication contains 360 pages of data on receiving tubes, five-star tubes, special-purpose tubes, picture tubes, capacitors, photoconductive cells, photoconductive cell-lamp combinations, and reed switches.

Prepared by General Electric's Tube Department, this "single-source reference" has been updated to include over 300 of the newest receiving and television picture tubes, and will provide excellent guidance for service technicians, design engineers, and hobbyists.

Of the 3287 tubes described in the manual, 741 are black-and-white and color picture tubes. This broad coverage describes practically every tube found in any piece of electronic equipment, including AM, FM, or television. The detailed data also applies to special tubes and products for use in a variety of situations.

The handy manual, ETR-15M, is available from General Electric distributors at a cost of \$2.00.

Cincinnati "Stag" Hamfest

DATE → SUNDAY SEPTEMBER 24
LOCATION → STRICKER'S GROVE

on Compton Road next to Mt. Healthy Drive in Theatre sponsored by the

GREATER CINCINNATI AMATEUR RADIO ASSOCIATION

THE GREATEST RADIO AMATEUR GET-TO-GETHER IN THE MIDDLE WEST

ITS YOUR DAY OUT OM — MAKE IT A DATE -----
MEET YOUR PALS AND HAVE LOTS OF FUN

dinner	personalities	picnic area
parking	contests	fun
supper	beer	play area
contests	pop	shelter
prizes	exhibits	games

THERE WILL BE HOT DOGS ON BUNS SERVED ALL DAY

DONUTS AND COFFEE UNTIL NOON

BEER AND POP SERVED ALL DAY

DINNER AND SUPPER

SHARE THE COST PLAN \$4.00 AT THE GATE

JOS. G. CHARPIE Television Service

W9MW

QUALITY SERVICE

on

- TELEVISION • RADIO
- RECORD PLAYERS • HI-FI

• STEREO

1717 E. 52nd St. 253-4049

Fine Flowers

FOR EVERY
OCCASION



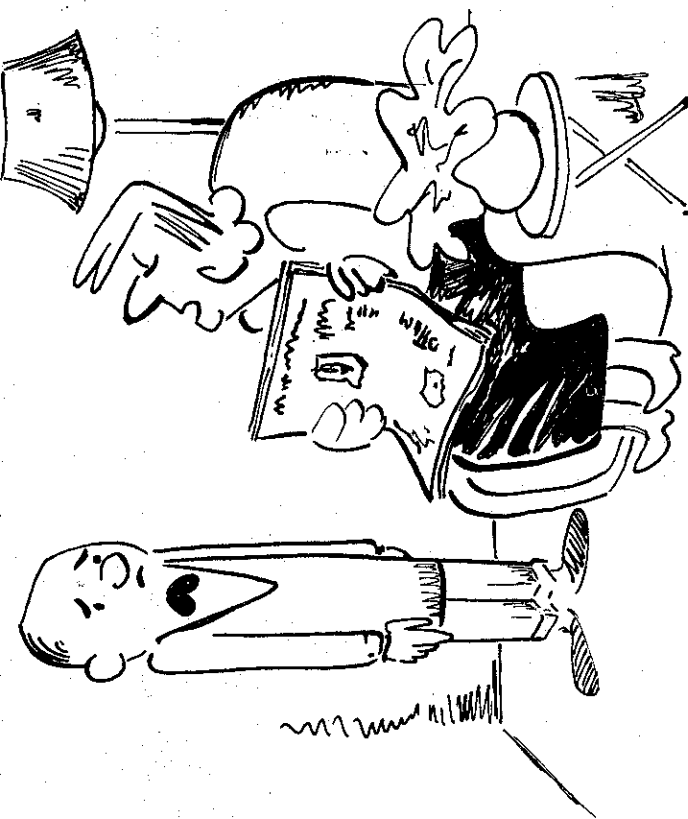
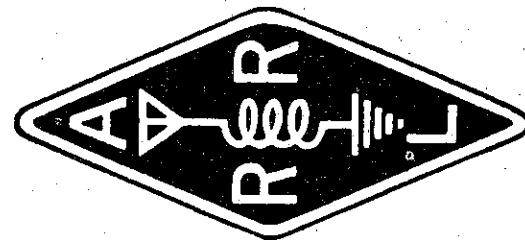
CITY WIDE
DELIVERY

COMPLETELY
DEPENDABLE SERVICE

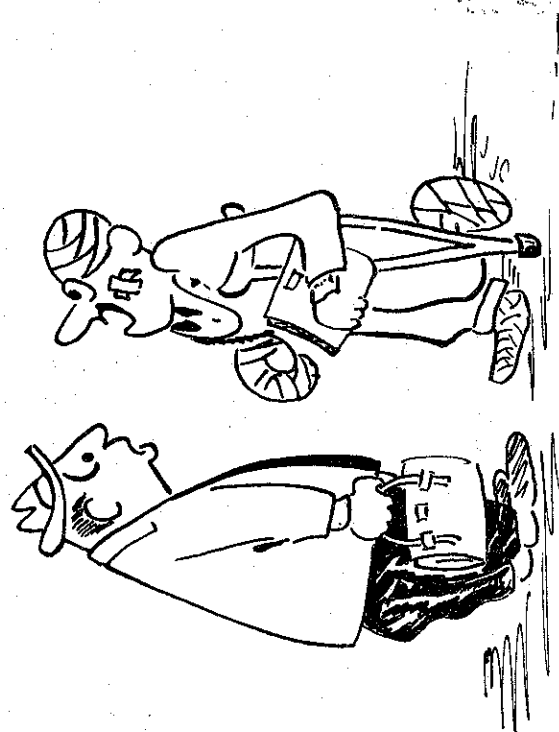
SCHWOMEYER FLORIST

1844 SHELBY
ST 6 9253

ROY W9YMW



I REFUSE TO LET THE COST OF A NEW
RECEIVER COME BETWEEN US —
TAKE IT BACK!



A FUNNY THING HAPPENED LAST WEEK
.... THE KOTER ON MY BEAM WAS
STUCK - 'N' I - - - -